

Choboji 1916
Choboji 1918

Woodbine "

Omaha "

Waverly "

Olin "

Winterset "

Pella "

Ames-Chelsea "

Pittsburgh "

Duff Park "

Chester "

Independence "

Downey "

Choboji I "

Waverly

2
8 packages

1916
Okoboji - Sep. 29 - Friday
Left at 9³⁰ PM. for
Cedar Rapids, with
W.E. Rogers.

Sep. 30 - Sat. 1916

Reached Spirit Lake
at about 8²⁰ AM. Took
a single horse from
Deibner's Livery.

He charged me \$2.00 per day.

The day was cold &
windy.

We started E. across
draw bridge & then
followed lake line
south.

Started along E. side of
E. Ohio at 9 am
Stopped at first large
creek & walked bedrock
mounds & ditches on E.
side of road, & then West
side.

Red oak 1. in 16. in in
diameter (bush-like)
& stands on bench
above bank. It is
surrounded by smaller
trees, *Lilium*, *Ostrya*, &
smaller oaks.

Took leaves - 1(a) from
lower part & 1(b) from
upper.

Marked acorn 1 - Red Oak.
They are broad.

Red oak 2 - has narrow
acorns. It is near
1, one indeed because of
it, & 9 - in in diameter
leaves 2(a) are from

lower part & 2(b) from upper.

Red Oak no 3 is still on
bench, but near where gentle
slope begins to lake -
S. of creek.

It is 20 in in diameter &
is more or less isolated.
Much of this has been
thinned out.

Across small
3(a) are lower box &
3(b) are upper.
Lower box here also exposed
as no trees near.

Drove to Warner's Chapel
Photo 33, 34 - Looking E. across
Prairie Lake.

Photo 15 - N. end of Prairie Lake
along - muskrat house

Photo 16 - S. end of Prairie Lake
(N. House) Warner's Chapel

Photo 11 - Church - looking NE
Photo 12 - Looking E. & N. 2 bottle holes
99-36.

Drove on to Arnold
Park

Red Oak no. 4 in
in front of 2nd store
west of front N. & S. road
W. of upper Gar Lake &
on N. side of E. & W.
road.

Diam. = 19 in.

Beach

1st 2nd 3rd
Gar Lake

1st 2nd 3rd
Gar Lake

Put up home for
feed & walked to St. Louis
Beach, now abandoned.
Returned to home &
drove to Gar Lake Park.
Found Plumighted only
in one Prunus virginiana
Saw plenty of Amelanchier
& some flowered sizes of
Plumighted (also) but
none fresh.

Very scarce this year.

The Gar Lake Park beach
is deep & brown.

Drove to Laboratory
put horse in Livingston's barn
& spent up evening.

Took supper & following
meals at Livingston's.

Slept in my old room
in cottage.

Oct. 1, 1916 - Sunday.
Arose at 6³⁰, but
did not get started
until 7⁴⁵.

We drove west $1\frac{1}{2}$ mi
from mail box & then
S. I checked some
mammals.

Everything is brown,
but *Aster multiflorus*, *Aster*
laevis, *Aster sericeus*
& *Gentiana puberula*
were at their best.

All over the
landscape the
native peonies in
gravelly ridges &
slopes showed the
red of *Andropogon*.

Some to hillsides by
E. of bridge & water
banks for mosses etc.

The south slope of
the valley in woods,

chiefly with Green Ash,
Box elder, *Ostrya* & *Basswood*.
Salix cordata ^{missouriensis} var. is
everywhere in clump in
the bogs.

Collected lichens & *Trullaria* on
barren wood, & mosses on banks &
rocks. Also land shells
under sticks.

Then collected lichens &
fungi on *Salix cordata*, etc.

One *Salix* has very narrow
leaves (see specimen)

Saw a water thrush
(little morning great flock
of dark-winged terns flying from
Shinn Lake where they are
said to roost on water. They scatter
over fields - thousands of them).

✓ Photo 7, Looking up Boy creek
to left - no moss, basswood,
green ash, box elder

✓ Photo 8 - Clump of *Salix cordata* var.
also *Phragmites communis*

Plots 9 & 10 - Looking up
Big creek - further away
Clump of willows at
right in fore - No. 8

Crossed Little Sioux
to E. side & looked at
prairie slopes - Saw.

Dr. Castilleja miniata

" *Brunneria*

" *Helianthus scaberrimus*

Aster sericeus

Gentiana puberula

fr. *Bontaden hirsuta*

fr. *Liatris punctata*

Solidago nemoralis

Collected lichens, etc. in
willow grove S. of E. & W.
road & just E. of N. & S.
road down which I came

Returned after 2 P.M.,
took dinner & went to
Miller's Hotel dock to
look for Bidens Beddie
McKinney was with us.
Found flowers all though
plants very little.

Went to Fall Pt. Found
Wolffia still, very
abundant in Dickinson's
slough.

Collected a *Chroococcoides* (?) in
canal.

Threatened storm most
of afternoon, but it
did not amount to
much even at night.
Pressed plants &
retired about 11 P.M.

Oct. 2, 1916 - Monday
Rogers went to Canal, I packed
& collected burials. Started at

Photo 5 - Looking S. at
Fish hatchery

Photo 6 - Looking down
on the S.

Photo 9 - Outlet of
Spirit Lake (dry)
looking N.)

Photo 10 - Looking E. along
Spirit Lake beach

Photo 23 - Looking same E. along
ocean beach

Photo 24 - Looking N.E.

Photo 7 - W. of N. across
Spirit Lake
from dock.

Photo 8 - North - Fish hatchery

Photo 31 - South - Upper E. Dike

Photo 32 - N. beach E. Dike
Looking E.

Afternoon cloudy.
Returned at 5³⁰ & put
up at The Antlers
Hotel.

1 P.M. & drove N. around
head of lake.

Many *Cypripedium* were
all out.

Stopped at head of lake
& found some *Utricularia*
with big terminal buds, -
no fl. or fruit.

Then drove to Emerson
Mn. & found stuff in
little canal all dead.
Drove E. on road S. of
Center Lake. Found that
where my peculiar *Crataegus*
macracantha grew there
is a house!

Reached Spirit Lake
at 3³⁰ & shipped
two baskets, gun &
duds.

Took Rogers to depot, & then
drove to Orlean.

Took photos.

Oct. 3, 1916 - Tues.

Left Spirit Lake for
Uta, via Herndon
& Manila.

Day clear but
windy.
Clear clouds, etc.

Expenses

Sep. 29 - ⁹¹to Cedar Rapids .50

20 Spirit Lake 4.54

Knife ⁷⁵, soda ⁵, paper ¹⁰

Horse-bus - Ames Park .15

Oct. 2 - Mrs. Livingston 12 meals 3.60

Horse bus 1.10

Express - dress 35

1. Papers, watch ¹⁰ ^{2.50} 1.60

Livery, Deibner, 3 days 6.00

Oct 3 - Hotel - room, bath ^{1.25} ^{1.5} 1.50

Pressing suits .75

RR to Uta 4.11

Bus .25

Dinner, car rent .65

Breakfast, afternoon .50

25.65

5.20

25.60

8.83

34.43

2.13

32.30

RR, Uta & Iowa City

23.51 235 7.83
33 4.70 5.70
7.08 2.13
7.95 + 1.00

.36
8
288

Account - May 10 - 14, - 1918

May 10 Car fare to Cedar Rapids .65
R.R. to Spirit Lake (4.84) 4.48
Sleeper " " (1.65) 1.50
May 11 Breakfast en route .80
Geo. Miller - taxi to Lab. 3.00
(Meyers) 1.00
May 12 Depn Livingston - auto 1.00
" 13 Antlers Hotel, Spirit Lake 1.00
RR. to Rockwell City 1.64 1.75
Dinner Grand Hotel " " .60
RR. to Woodbine 1.50 1.64
RR. to Council Bluffs. 72
May 14 RR. to Cedar Rapids 1.15
Sleeper (Tourist) 5.26
RR. to Iowa City
Breakfast, RR. Cedar Rapids 35

27.15
3.30
23.85

.65
4.48
1.50
.80
3.00
3.64
2.10
.72
1.15
.35
8.76
27.15
53
8.76
5.26
3.30

263
5 1/3
789
87
876
263
2
526
8.76
5.26
3.30

Okolobi, Woodbine, etc

May 10 - 1918 - Friday

Left at 9⁴⁵ PM. for Cedar Rapids.
Took sleeper.

May 11 - 1918 Saturday

Awoke at Graceland.

Things still look like early spring.
Leaves on trees very small. Berberis
in flower.

Along prairie beyond Estherville

I noticed in flower:

Emmet Co

<i>Oralis violacea</i>	Rather common
<i>Lithospermum canescens</i>	Common
<i>Taraxacum</i>	few
<i>Lithospermum angustifolium</i>	few
<i>Viola pedatifida</i>	common
<i>Astragalus caryocarpus</i>	Common
<i>Castilleja occidentalis</i>	Local
<i>Senecio</i>	Local
<i>Antennaria</i>	emeri "
<i>Pedicularis canadensis</i>	Local
<i>Zizia aurea</i>	one
<i>Anemone patens</i>	fr. "
<i>Agrostis exaristata</i>	few

all these west to top of
grade.

Discinosa Co.

Towards Superior, & beyond, to
Arcadia, the following:

<i>Lithospermum canescens</i>	Common
<i>Ranunculus fascicularis</i>	Common
<i>Astragalus caryocarpus</i>	common
<i>Anemone patens</i>	common
<i>Zizia aurea</i>	few
<i>Pedicularis canadensis</i>	locally common
<i>Comandra</i>	local
<i>Viola pedatifida</i>	fragrant
<i>Taraxacum</i>	(again at Arcadia & beyond) Spind Lake
<i>Comandra</i>	local
<i>Antennaria neglecta</i>	"
<i>Oralis violacea</i>	"
<i>Agrostis</i>	few
<i>Ranunculus fascicularis</i>	local
<i>Senecio</i>	local
<i>Rhynchos americanus</i>	near Orleans, one

Reached Spind Lake at 8 am.
Arranged with Miller to take
me to the Lab.
Visited Shrets.

Found Lab. in fair shape,
but it seems to be running
down some, though not as bad
as last year.

Found Dicentra in bloom near
pump. house, and on the
prairie N. of mail-box:

Pedicularis canadensis

Viola delphinifolia

Antennaria

Oxalis violacea

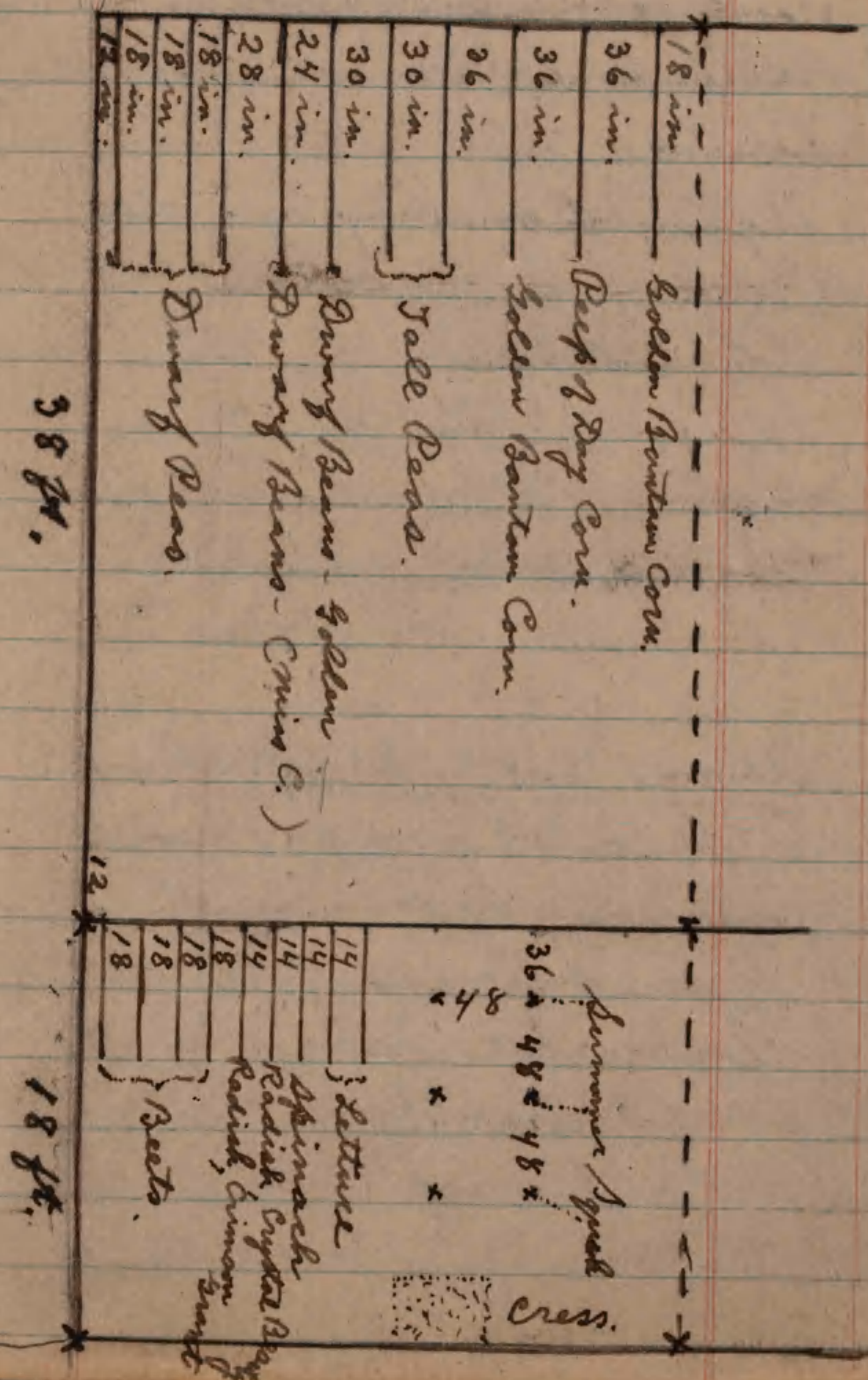
at Lab. the little *Carex*
stenophylla was in bloom.

Livingston's gave me a
piece of their garden, about
about 25 x 56 ft.

This was plowed and I
cleared sod out.

In evening saw "The Beast"
of Berlin at Wilford.
Went to bed at 11³⁰.

May 12, 1918 - Sunday.
Worked in the garden all
day. Planted following:



The bur oaks are mostly in flower, but the tree just N. of Ewers with tree is only in bud, with a little branch or two with small leaves.

After finishing garden work, I was taken to Spirit Lake by Mr. & Mrs. "Ceph" Livingston. Spent the night at the Antlers Hotel.

May 13, 1918 - Monday
Left at 5:45 am. for Rockwell City. Took dinner at Grand Hotel in Rockwell City.
Left Rockwell City via Ill. Cent. at about 12:45 pm. for Woodbine.

Met Mrs. John Hamill on train. Reached Woodbine after 3 pm. Met Mr. Irwin, etc.

Collected fine Equisetum on a Cedar tree in town. Everything seems to be backward because of dry spell.

Put on work in evening, and spoke.

Spent night (with Mr. Henderson) at Mr. & Mrs. Dupree(?).

May 14, 1918 - Tues.
Left at 7:36 am. and reached Council Bluffs at 8:45. Took interurban to Omaha.
Put up at the Paxton & went to temple.
Met many Star members, & attended day & evening.

session. We were formally
presented, about 18 or
twenty Iowa Grand Officers
were present.

Left at 9:40 for
Council Bluffs &
Cedar Rapids.

May 17 - Friday
attended County
Commencement at Waverly
but storm prevented me
from getting out.
This was for Miss May
Francis, Co. Supt.

May 21, 1918 Tues.

Went to Olin, Ia. to
talk to Murray & E. Starn
loyalty meeting.

Traver coming went west
along R.R. & picked up
prairie flowers

Antennaria	Common
Dodecatheon	Few
Lithospermum	Common several
Phlox pilosa	Common
Hypoxis hirsuta	Common
Blue-eyed grass	"
Ranunculus macranthus	(for prairie common)

Potentilla canadensis com.
Viola hastata "
 " *pedatifida* "
 " *cruculata* (L.) "
Aedicularia canadensis local.
Triglochin virginicum com.
Poa pratensis "
 " *compressa* "
Draba - in mud filled "
Rumex acetosella com.
Hemlockia hirsuta com.
Saxifraga pennsylvanica (com)

May 22-1918

Went out east along
RR & found:

Tridacna com.
Scrophularia leporella com.
Anemone pennsylvanica com.

all in flower & all collected.

Account - Wintered, Pella, Chaska

May 23. Iowa City - Taxi	8.25
R.R. to Des Moines	2.61
Sleeper	1.65
R.R. to Winterset	.76
May 24. Arcade Hotel "	1.75
R.R. to Pella	1.79
Bus. Carriage to Clarkson	.25
R.R. to Des Moines	.22
Parasol chairs	.20
Telephone - Pella	.35
Dinner - Des Moines	.75
R.R. to Howell	.84
Supper - Des Moines	.60
May 25. Cab, R.R. to Des Moines	1.19
R.R. to Ames	.79
R.R. to Chaska	1.45
Dinner at Ames	.40
R.R. home	1.88

\$ 17.73

98

✓

Gibson

May 23-1918 - Thurs.

Left Iowa City at 12³⁰ AM.
 Slept until 5³⁰ AM.
 Left Des Moines at 6¹⁵ AM.
 Winterset. Arrived at 8¹⁵ AM.
 & went to the Arcade Hotel.
 On train met conductor
 who used to go to the
 Academy, with Senator
 Kenyon. He lives at
 Valley Junction. Is an O.E.S.
 Landed at 8¹⁵ AM. & went to
 the Arcade Hotel.
 Called on Arthur Goshorn
 at the Postoffice & visited with
 him most of forenoon, & took
 dinner with him.
 Then he took me to the
 Bucklows. Woods had
 been burned over. Polygyn
 albatris was very abundant.
 Collected woods plants &
 prairie plants on top of the

ridge. Following were
collected:

Woods (bluff near top)

Viburnum dentatum

Lonicera

Agrostis

Woods (deep - lower down)

Geranium maculatum

Oxalis stricta (fr.)

(*Dicentra spectabilis* - saw it)

(*Sanguinaria* " ")

(*Anemone hepatica* " ")

(*Urtica* " ")

Hypericum virginicum

" *maculatum*

Ranunculus abortivus (?)

Botrychium virginicum - common

(*Cystopteris fragilis* - saw it)

Cystopteris marginalis

Smilax

Prairie

Arabis Drummondii - bud.

Lithospermum canescens

Sisyrinchium

Ceanothus ovatus -

5 *Carex pennsylvanica* - fr.

" *stricta* - fr.

Poa

Astragalus caryocarpus 1 fl. - other fr.

Lupinus (?) - bud.

10 *Oxalis violacea*

Delphinium (bud)

Comandra umbellata

Scutellaria parvula 1.

Erigeron annuus

15 *Juncus integrissimus*

Took supper at Goshorn's. We
were caught in rain;
Gave my address in the
evening. Planned.

Met Mr. Gibson in real
estate business. He was
born in Johnson Co. near the
line (or just over in Minnesota)
Related to Secret's, etc.
Knew Bob Graham well -
best friend.

May 24, 1918. Friday.
Rained.

Left at 8²⁵ AM. A freight
wreck at Carleton stopped
us and I took taxi
across to Clarkson & took
C&N Q. train to Des Moines.
Found Me an Ann
after awhile at station.
Spent afternoon together.
The Belgian soldier

were in Des Moines. Fine,
good-natured fellows, with nice
frank faces. Talked to
one sergeant, who could
speak Russian & Polish a
little.

Left at 5 PM. on Wabash
for Howell, and a taxi
took me to Pella.

Put up at American Hotel.
Kept by Gibson who knows
County Resnick.

Talked in High School
auditorium. Early part was
interrupted with a drum and
bug band flying in room.
Talked over an hour in consequence.
Met Mrs. Schotte and
learned that Bob is at
Camp Dodge.
Mr. Fush in the Supr.
Met Mrs. — Jane Switzer's
daughter.
This town is Holland, &

The hotel man says
many are disloyal.
90% of the people are
said to be Dutch.

Saw Rose Hounds in
flower, & also a few
prairie rose, *R. pratincola*?

Sat., May 25, 1918.

Left at 8³⁰ am.

At Fairmount we
were blocked by
delay of other train
for nearly an hour.

Jasper Co.

Gathered prairie
plants along the RR.

Lithospermum canescens

Sisyrinchium — 1

Sisyrinchium canescens

Oxalis violacea

Carex —

Poa —

Achillea — bud.

Anemone dichotoma — fair place

Equisetum praevaricatum?

Between Fairmount & Prairie
City much *Phlox pilosa* in
flower. Also *Trachypogon*
(smooth).

At Prairie City saw *Melilotus*
officinalis in flower, very
common along right of way.

Just beyond (N.) of Prairie
City I could see much

Phlox pilosa, some fine
beds, & much *Sisyrinchium*, &

Anemone dichotoma,

Lithospermum canescens, *Confertifolia*.

This is a nice bit of
prairie & near.

Polk Co.

Near Nobleton I saw

Stipa, some in flower.

Also *Ceanothus ovatus* in fine
flower.

Most of the *Phlox* is red, — very
few white.

Also a lot of young *Prunella*
argophylla.

Euphorbia cyparissia — 1 patch

2nd & 4th

along RR
Arenaria dichotoma in
long places.
Antennaria

Geranium -

Equisetum -

Oxalis violacea

Right at Hobbs all-
this is very good - especially
just as you come in.

Just N. of Hobbs

there is much

Ceanothus ovatus.

Also much *Tridacna*

Also young *Silphium*

laciniatum - & *integrifolium*

Oxybaphus rufus in bud.

Trifolium arvense

Vitis vulpina sp.

Abies balsamea &

Rose blanda(?) etc. rather.

Near Altoma also

good prairie.

Walk from Hobbs to

Altoma, - this is only 5 miles &
worth while.

Hobbs & Altoma are in
Polk co.

Prairie City & Fairmount are
in Jasper co.

Pella is in Marion co.

Altoma to Des Moines

Phlox pilosa - *patula*

Oxalis violacea "

Asymbrium canadense

Trifolium arvense

Arenaria dichotoma

Lithospermum canescens

Proserpinaca angustifolia sp.

Poa -

Senecio -

Pachyrrhizus

Tridacna

com.

Rosa com.

Equisetum arvense - com.

All near Altoma.

Ceanothus ovatus

Rosa - ?

Eriogonum ~~ramosum~~
Achillea - some infl.
Melilotus officinalis
Prunella
Equisetum hyemale?
Oxalis - yellow - large
Melilotus officinalis very
common at East Dismal

Reached Ds. River a
little after 11.
Met Mr. & Anne &
went over to 2nd v.
Grand to International
Station.

Left for Ames at
11³⁰ AM

Story Co. Left Ames at 2:10 PM

Between Ames & Nevada

some prairie strips

Phlox pilosa, mostly white

Syringa

Lithospermum canescens

To Nevada

Nevada to Colo. - much low.

Zizia aurea

Phlox pilosa - many white

Lithospermum canescens

Syringodium

Aquilegia canadensis (low)

Poa

Stipa

Co. line W. of

Colo. to State Center - Quite a
bit low.

Syringodium - white

Vicia am.

Aquilegia canadensis

Zizia aurea

Poa

Lithospermum

Phlox pilosa mostly white very common

Prunella angustifolia - low.

Stipa sp.

Agropyron burchii low.

Silphium laciniatum juv.

Aedicularia canadensis local

Succisa

Salix humilis low

Lithospermum longifolium ^{?ratum}
Arenum canadense
Phlox ~~longa~~ State Center
largely red.
State Center to Lamotte ^{much} low

Poa

Zaraxanthus

Dandelion — fr.

Lithospermum canadense

Equisetum arvense

Sisyrinchium — white

Phlox pilon. mostly red.

Asperifolium ~~longa~~

Uchilota affinis

Ornithogalum —

Fragaria virginiana

Hypoxis ~~virgata~~

Bad weather now

Lamotte. — A wrecked

freight ^{train} piled up.

Water boats smashed.

Arenum canadense

Gilia aurea

Lamotte to Marshalltown. ^{much} low

Poa

Phlox pilon. — mostly red.

Fragaria virginiana

Sisyrinchium — white.

Arenum canadense —

Hypoxis —

Equisetum arvense

Tridacena — mostly

^{Zaraxanthus}
Dandelion — fr.

Uchilota ~~affinis~~ ^{virgata}

Poa ~~canadensis~~

This part was much flooded,
fields washed, bridges out, etc.

Ames, Nevada & Colo are
in Story co.

State Center & Lamotte are
in Marshall co. also
Le Grand.

Mountain, Laramie, Long Point &
Chester are in Laramie co.

much low bottom

Manhattan to Quarry

Phlox pilosa red

Lithospermum canescens

Anemone canadensis

Poa compressa

Equisetum arvense

Dandelion fr

Quarry to Grand

Poa compressa very com.

Equisetum arvense

Dandelion fr

Phlox pilosa mostly white

Lithospermum canescens

Stipa sp.

Fragaria virginiana

Tama

Grand to Montom

Poa

Dandelion fr

Agropyron subuln fr

Fragaria virginiana

Phlox pilosa - mostly white

Lithospermum canescens

Equisetum arvense

Aschellia - bud.

Montom to Tama

Poa

Anemone canadensis

Sisyrinchium

Senecio

Lithospermum canescens

mostly low & flower

Tama to Long Point

Phlox pilosa - white com.

Anemone canadensis

Senecio

Zizania

Dandelion

Long Point to Chelms

much lowland
flower all

Epidium sp.

Anemone canadensis

Senecio

Phlox pilosa - white

Sisyrinchium - wh.

Reached Chelsea about an hour late & was met by Capt Tyler, who took me to his home.

Chelsea had had a tornado which broke trees, wrecked barns, injured houses, broke plate-glass windows, blew the Catholic church spire down, and thrown played havoc, yet no one was injured except a man who tried to pick up a live wire and was electrocuted.

Called on Mr. & Mrs. Shaght, - also on the three sons who have a day school & gen. merchandise store.

In evening gave address, - 4 graduates, - girls, & only one Methodist.

Mr. Tyler took me to James

in his Ford, where we arrived at about 12 midnight.

Left at 1.05 am. for Ames. Arrived at 4 am, about 1 1/2 hrs. late.

Left for Des Moines at 7 am. via the C. & N.W.

To Pittsburgh Pa.
May 29-1918

Expenses -

May 29 - RR. to Pittsburgh	\$18.81
Supper en route	.90
Upper 4 (41) to Pittsburgh	2.20
Breakfast ⁸⁵ Porter ²⁵	1.10
May 30 - Dinner ⁸⁵ - W. Penn. supper ⁷⁵	1.60
" 31 - Breakfast ⁷⁵ , Dinner ⁷⁵	1.50
W. Penn. Hotel room	2.50
Supper - RR. restaurant	.35
RR. to sleep to Englewood	15.20
Porter ²⁵ , Breakfast ^{1.25}	1.50
Supper (dinner) Chicago	.75
RR. to Iowa City	5.99
	<u>\$52.40</u>

✓

Pittsburgh, Pa. - Wed. May 29, '18

Left Iowa City at 3³⁵ PM
 (25 min. late) and reached
 Englewood at about 10²⁰
 Took the Pa. to Pittsburgh.
May 30
 Was met by Mr. Krizek &
 another.

Located at Wm. Penn. Hotel
 We were taken in parade
 which was a big affair.
 The speaking was at the
 Exposition Hall - holds
 about 7000 people. Full.
 Mr. Wamaty spoke, also
 the Mayor's son and
 Judge Buffington.

I spoke in English for about
 20 min. Then Prof. Masaryk
 in both, & then a
 string of others.

In the evening I
 attended the Slovak
 conference when Dr. Masaryk

cleared up matters -
Mr. Huse, Slovak editor
(of Bohemian papers)
who had published
doubts about Prohemian
got his from all sides.

May 31 - Friday
Meeting in More Temple,
I was elected president
pro tem. Most of the forenoon
in preliminaries & discussion of
Vosha memorandum affair.

In the afternoon a large
part of time given to
discussions, more or less bitter
between Bergler & Vosha's
friends; especially Koubek.
Kept on until nearly
8, & pushed work to
a close.

Took the 7:05 Train for
Englewood.

June 1 - Sat.

(Valparaiso, Waukegan, to Hanna)
For two stations east of
Valparaiso, Ind. there are
strips of prairie along RR (Penn.)
At Valparaiso, timbered.

Phlox pilosa -
Asclepias
Ranunculus
Erigeron (canadensis) ✓
Thysanotus -
Poa -
Tridax cantina (smooth)
Allium canadense
(*Scilla*?)
Erigeron philadelphicus (lower part)
Hieracium -
Dodecatheon
Saxifraga (lower places)
Potentilla canadensis
Chrysanthemum leucanthemum
Apple - yellow bunches
Cornus nitens on blackberry.
Aquilegia - near creek.

Reached Englewood at 8²⁰
- at 8⁴⁵ am. left for
Dune Park.

collected first near
station, then on dune N.E.
+ then on dunes sand flat.
The road to the E. on
the dunes are mostly
oaks at edges. (black)
open + with many prairie
or sand plants. Saw following -

Euphorbia fl.

Poa horridula fl.

Phlox pilosa fl.

Lithospermum *glandulosum*

Dracopis *virginica* fl.

Oenothera *arguta*

Aster *laevis* fl.

Amelanchier *sp.*

" *racemosa*

Salix humilis

Andropogon *scaberrimus* fl.

Erigeron *virginicus*

Vitis vulpina fl.

Celastrus *scandens* fl.
(Carex - saw me open)
Delinde *White* *Mustard* - *arabid*
Oenothera - open
Chusquea
Artemisia *peruviana* - many

Went to Wickliffe on the
electric + took car for
6 P.M.

Saw *Castilleja* *occidentalis*
near Gary

White + Yellow *Pandanus*
were in flower.

Went from Ill. Cent. on
6:30 to Englewood CR & P
Station.

Took 6¹⁵ PM. Train
for home.

119
 2.54
 1.30
 3.00 auto to Iowa City
 16.98
 \$ 24.01 total
 20.00 received
 4.01 balance due

Expenses to Chester 1918

Jan 7, telephone to Chester
 Auto to West Liberty - Sidwell \$ 6.50
 RR. to Waterloo 1.94
 Transfer at Waterloo .25
 Lunch " .25
 RR. to Oelwein .88
 RR. to Mc Intire 1.38
 Breakfast, Oelwein .45
 RR. Mc Intire to Le Roy .19
 RR. to Waterloo (from Le Roy) 2.54
 RR. to Cedar Rapids 1.30
 Hotel Ellis - room, breakfast 1.40
 Telephone - Cedar Rapids .30

\$ 17.08

2.50

\$ 19.58

6.50

3.88

.80

.25

1.16

2.76

.45

.38

\$ 15.88

50 - west Lib.

\$ 16.38

To Chester, Pa. June 7-8 1918

Left Iowa City at 8:35 AM
via auto to West Liberty

Arrived 9:25 PM

Left for Waterloo at 9:50 PM
Arrived 1 AM

June 8

Left on C. & N. W. for Oelwein

at 4:00 AM, arrived 5 AM

Left 7:45 AM for Medford

Prairie beyond Oelwein
shows much *Phlox pilosa*,
Heuchera, *Trifolium aureum*

Prairie
Co.

From Fredericksburg to Fredericksburg

Equisetum arvense

Dandelion

Trifolium pratense (smooth)

Conium maculatum (broad)

Trifolium repens (wet)

Phlox pilosa (mostly red)

Heuchera

Anemone canadensis

Thalictrum flavum

(In flower unless otherwise
stated)

Anemone ~~canadensis~~
Ranunculus macranthus (wet)

Silphium laciniatum (leaves)

Trifolium aureum

Achillea

Anemone patens fr.

Poa pratensis

" *compressa*

Artemisia ludoviciana - leaves

Lactuca scariola (low)

Thalictrum

Chickadee
co.

Ranunculus abortivus (low)

Ranunculus abortivus

Sedum album

Galium boreale

Brassica arvensis

Hordeum jubatum (in town)

Fredericksburg to Boyd

Hordeum jubatum (town)

Asclepias syriaca (lf) - "

Trifolium repens (offensive)

Trifolium pratense (smooth)

Salix cordata

Anemone canadensis (leaves)

Stipa
Equisetum - sterile
Artemisia ludovic. (low)
Lupinus capitatus (old)
Oenothera biennis (9)
Achillea (pale) low
Hieracium
Krigia - on rocks
Phlox pilosa mostly pale
Erigeron (low)
Achillea
Danthonia
Zizia aurea
Silphium - low
Anemone patens on rocks

Boyd to New Hampton

Zizia aurea
Hieracium
Krigia
Phlox (pale mostly)
Poa pratensis
compensans
Bromus ciliaris

Stipa
Polypodium - low
Dodecatheon
Silphium laciniatum low
Ranunculus - (low)
Anemone canadensis
Equisetum arvense - sterile

New Hampton to Devon

The Phlox is mixed all along here
 but mostly pale, some, only, white.
Equisetum - sterile
Krigia
Phlox pilosa
Zizia aurea
Silphium laciniatum - low
Hieracium
Poa pratensis

Artemisia ludovic. low
Lupinus capitatus old
Silphium - low
 Much low & also some
 weeds.

Devon to Alta Vista

Arenaria patens fr. common

Phlox, etc.

Rosa - low

Asperula - low

Howard
co,

Alta Vista to Elma

Conoclinium - low

Scrophularia - low

Barbarea - low

Rumex crispus

Stella - low

Phlox pilosa

Poa compressa

Pratincola

Equisetum - sterile

Artemisia ludovic. - low

Paraspartea v. *pectinatus*
(*Parm. capitata*! vine)

Arenaria patens fr.

Saxifraga - low

Zizia aurea

Salix cordata - low

Trifolium - low

Rhus glabra - low

Hamamelis

Asperula - low

Krigia
Linaria vulgaris yellow
road flax (in Elma)

Lupinus albus "

Hordeum jubatum "

Brassica arvensis "

Elma to Acme

Melilotus alba - in town

Dandelion " "

Artemisia ludovic. - low

Lupinus albus - old

Trifolium - red. low

Stipa

(Acme woods)

Asperula - low

Rumex acetosella

Phlox pilosa

Salix cordata - low

Zizia aurea

Linum (low)

Arenaria canadensis

Asclepias syriaca - low, in

Much not good for

Acme to Riceville

Brassica arvensis - in town
Lithospermum canescens (few fls)
Phlox pilosa
Zizia aurea
Pedicularis canadensis fr.
Saxifraga - low
Krigia -
Iris versicolor - low
Salix cordata - low
Hemlock -
Hydrocotyle -
Saxifraga - wet
 (Much low, wet here -)

Mitchell Co.

Riceville to McIntire

Saxifraga (large) in town
 + *Asplenium* -
Convolvulus sepium - low
Agropyron Smithii - low
 + *Saxifraga* - wet
 + *Zizia aurea* -
Brassica arvensis
 + *Phlox pilosa*

as McIntire I collected these
marked +

Saxifraga lanata - low
Salix cordata - low
Trachypogon - mostly
 + *Hydrocotyle* -
 + *Hemlock* -
Potamogeton - low
 + *Krigia* -
Agropyron Smithii - fr.
 + *Lithospermum canescens* - few fls.
 + *Poa compressa*
 + " *Potamogeton* -
 + *Salix humilis* - low
Saxifraga
Rosa - blanda (?)
 + *Equisetum arvense*
 + *Calamagrostis*
 + *Stipa spartea*
 + *Rhus glabra* - low
 + *Q. macrocarpa*
 + *Potentilla canadensis*
 + *Ranunculus acris* ?
 + *Stellaria* (no)
 + *Sisyrinchium*
 + *Hordeum jubatum*

- + Carex
- + "
- + "
- + Bromus
- + Echinacea
- + Rudbeckia hirta
- + Ornithoglossum
- + Pteris aquilina
- + Geranium maculatum
- + Antennaria plantaginifolia
- + "
- + Zizia aurea
- + Scrophularia leporella
- + (Gus)
- + Thalictrum dasycarpum

These were collected S. of
McIntire along the
R.R. - on a prairie
which seems to be
rather moist.

- + Lepidium apetalum
- + Viola americana
- + Lathyrus vernus
- + Coreopsis palmata
- + Thalictrum cristatum
- + Erigeron annuus

CENTRAL AMERICAN FUNGI.

CHARLES L. SMITH.

Fooded around at McIntire
until 2 miles after 2.
Between McIntire & Le Roy -
Iowa side

- Rhox folia
- Zizia aurea
- Geranium maculatum
- Hydrophyllum
- Scrophularia
- Salix cordata

Rosa -

Aquilegia canadensis - open prairie
Antennaria ludoviciana - low,
Poor

"

Solidago rigida - low
Lespedeza capitata - old
Hemlock -
Lithospermum - common

Knigge -
Quercus petraea - low
Asplenium - low
Antennaria plantaginifolia
Desmodium illinoense

Savoyage — wet
Trappananti ~~smooth~~ Th.
Reached Le Roy at about
12³⁰ & found auto for me.
Drove through very fine,
quite flat prairie country
9 miles to Chester.

Met Dr. L. V. Clark

Had dinner at Clark's & then
spoke in street to large crowd.
Sergeant Hawkins & Corporal
Skinner were also on hand
& followed with talks, Hawkins
giving gas-mask demonstration.
Took supper at Dr.

with the Sergeant & Corporal.
Met a number of Bohemians,
among them Louisa⁽²⁾ & her
wife who is V. ac. Grey's
daughter, & Rev. Harlik
from (Savoyage).

A good many Bohemians live
South West of Chester.

Met Mr. & Mrs. Christian Nelson
& son, who travelled with me
in 1914. They are Danes from
Schleswig & strongly anti-Germans.
They took Sergeant Hawkins & me
to Le Roy, where we took
train at 10⁵⁷ am for
Waterloo (to be for Des Moines).
Reached Waterloo at
3²⁰ am. & put up at the
Ellis House.

Sun June 9, 1918

Lt Waterloo at 8¹⁵ am. by
Interurban, for Cedar Rapids.
On sandy flat beyond the
Cedar I saw: (to La Porte city)

Plantago aristata fl.
Trifolium pratense (smooth) fl.
Lactuca - pale — in flower
Lithospermum gracile "
Rumex acetosella
Oxalis - yellow
Rosa — low.

Verbena angustifolia fl.
Anemone canadensis fl. (large)
Achillea - new fls.
Erigeron ramosus " "

Beyond Labette:
 Co.

Erigeron ramosus fl.
Oxyphlos erythron fl.
Lepidium apetalum fl.
Tradescantia ^{small} fl.
Hedera pubescens fl.

(mostly not real prairie,
 but open bottom land &
 scrubby stuff.)

Then follow some part
 of the way with track
 on narrow strips between
 river & bluffs.

Thripa on open prairie (sandy)
Equisetum hyemale "

Brandon.

Thalictrum dasycarpum fl.
Antennaria dioica fl.
Achillea fl.
Erigeron ramosus fl.

(This is just right of way -
 not sandy)

Lepidium apetalum fl.
Rosa pratincola fl.
Convolvulus sepium fl.
Oxalis ^{new} fl.
Rumex acetosella fl.

Collected plants at siding
 beyond Brandon:

Pentstemon grandiflorus fl.
Lepidium apetalum fl.
Rosa — fl.
Erigeron ramosus fl.
Oxalis — fl.
Verbena angustifolia fl.
Prunella — fl.
Hedera — fl.
Trifolium fl.
Tradescantia fl.
Achillea — fl.
Plantago virginica fl.
Physalis peruviana fl.

a flat, somewhat sandy area.

Saw *Phlox maculata*
in low place. Fl.
Thalictrum dasycarpum

Urbana -

at station: in fl.

+ ^{*Trifolium*} clover

+ *Poa pratensis*

+ *Hordium jubatum*

^{*Medicago*}
Refusa

+ *Rumex crispus*

+ ^{*Trifolium*} clover

+ ^{*Trifolium*} clover

Brassica arvensis

^{*Phleum*}
Zinnia

Rumex acetosella

^{*Larax*}
Sandersonia - large

Lin Co +

Center Point Those marked +

above were in center of A.

also:

Lactuca scariola L.

Melilotus alba L.

Sisymbrium officinalis L.

True distance out

is piece of ground

with much *Thalictrum*
dasycarpum & some *Phlox*
maculata

Good woods

Lafayette -

A lot of *Rumex acetosella*
in fields all along.

Again *Thalictrum* &
Phlox maculata

Still farther: along RR

Phlox maculata - low

Thalictrum fl. rather low

Krugia fl.

Erigeron annuus fl.

Achillea fl.

Asclepias syriaca fl.

Trachypogon - small

Robinia - saw 1 group. {Saw in
cedar grove? }
Cedar Rapids at 10:50 {small bog
had things}

Expenses
 RR to Independence 1.78
 " " Iowa City 1.78
 3.56

29
 1.78

June 11- Tues. 1918
 Left at 3 PM. for
 Cedar Rapids and Independence.
 Reached Independence at
 6²⁶ PM. Met Don D.
 Donnan. He had married
 Lucia Cole. Is now
 again married. He
 runs a pool-hall and
 is the Commander of the
 Sons of Veterans.

Mr. Ed. Raymond drove
 me about. He is a
 Consistory member and was
 in my class up to the
 18th. He finished at
 once, - I finished later.

In the evening the
 G. A. R. & W. R. C. came in
 a small audience.

Discussed:

Possibilities of service
 Influence on boys
 " " ourselves.

What we can do:

Not gossip

Give moral support

Help financially

Inform ourselves.

We need it

Our schools have failed

Declaration of Independence

We held wrong ideals before

our young people;

Selfish

Now reverse

We need information.

Teach all about Germany

From our standpoint

Learn to know countries of

Europe.

We have had wrong teaching

German & Germanism

Fred. the Great

Misnau

Kaiser

Why not Schurz & Siegel

We belittled our own

German schools,

" universities.

(Ohobiji Kaiser incident)

Language not objective

What it conveys.

My patriotism

Father's inspiration

Living - our flag - not

for selfish ideals

June 12, 1918.

Downey to New City (on
return)

Oxyphlos myrtos fl.

Arbutus fl.

Onoclea (large fl.)

Fraxinus (smooth) fl.

Thalictrum dasycarpum fl. fine

Stylis hirta - fl.

Erigeron annuus fl.

Phlox maculata (low) fl.

Hesperis - fl.

Rumex brittanica (low gr.) fl
" altissimus fl
Poa pratensis fl
Anemone canadensis fl
Branche (opening)
Koeleria cristata fine fl.
Hordeum jubatum fl
Rosa pratincola fl
Halimolobos scabra fl. (few)
Zizia aurea fl. fr
Coptis - smooth - fl

Okolopi account - 1918

June 14 - Taxi - Mrs. Iowa City \$.75
 R.R. to Cedar Rapids .86
 Paid J. T. Rice \$ 21.00
 R.R. to W. Okolopi (no tax) 6.81
 June 15 Diner - 2 meals - breakfast 1.70
 Steamer round trip 6.00
 Bus to boat - Steamboat ticket 6.50
 June 15 - Miller's Hotel: ^{Anderson Dinner} ^{Crowley} ^{Miss. C. & M.S.} 2.00
 " 16 -
 " 17 - Paint - Mays 3.50
 Screws + hooks, ¹⁵ screen ⁵⁰ Mansfield 65
 Gray Andes Park - Boat freight ⁵⁰ 1.00
 " 18 Bailey in Iowa City
 " 19
 " 20
 25 - Rake, Milford - 1.25
 " 22 - Brushes ⁷ (Couch at Arts) 2.00
 " 29 - Pliers ^{1.15} 2 spark plugs 3.15
^{christmas} ^{2.5} ^{new} ^{3.00} ^{5.}
^{new} ¹⁵ ^{glue} (all at Spirit Store) 1.30

July 3 - R.R. to Iowa City
 Supper en route

\$ 8.31
 .60

.75
 .86
 6.81
 1.70
 6.50
 6.50
 2.00
 8.31
 .60

\$ 39.53

To Okoboji June 14, 1918
Left Iowa City at 9⁴⁵ P.m. for
West Okoboji, with Kim C.

June 15, 1918

Reached W. Okoboji after
8 am. & at once took the
Sioux City for the Laboratory.
Found Crouch & Anderson
on hand. They came yesterday.

We pitched in, opened up
and cleaned the Cottage,
Dormitory, & boys set up
dining tent & day clear & windy.
We took dinner at the old
Wilder's Hotel, now a boarding
house for the Flote laborers.
Patched up supper, - potatoes
and eggs, - stove failed to
work.

Miss Douglas and Miss Fillman
came in afternoon, and Miss
Christensen came in the evening, by
launch.

Mosquitoes very plentiful.

June 16, 1918. Saturday.
Arose at 8 am. and spent the day in clearing up.

Stove was cleaned early, and worked better. We had breakfast at 11 am, and dinner at 6 pm.

Towards evening Dr. Steffen, Miss Walker, and Mr. Abel came.

Day rainy a little in the morning, later windy and mostly clear, and the lake rather rough.

June 17, 1918 - Monday
Arose at 6³⁰. Day hazy ^{rather} but clear.

Registered students, at 11 am. I discussed maps with students.

Miss Ensign came in a little afternoon, by launch from Arnold's Park.

After dinner I went to Arnold's Park by the Sioux City and found only my plant press at the Express office.

Returned after 6 pm. Latter part of day cloudy and wind from the East practically all day.

June 18, 1918 - Tues.

Spent forenoon with Ecologists.
+ Taxonomists.
Discussed subject in general,
using Bulletin.

In afternoon left them to compare prairie forest lists of plants in Bulletin. Went to Arnolds Park. Found my boxes of ^{involucris} express, had them loaded, and I went to head of lake, walked from West Okoboji to Montgomery, worked on main N. of station at W. Okoboji, & then along RR to Montgomery. Found prices same or even higher & walked back. Went $\frac{3}{4}$ mi. S. & then by private road 1 mi. farther south, along section line. Then east, then diagonally S. E. to main road



Stopped at the Black
Tern Kettlehole, $1\frac{1}{2}$ mi.
N. of Lab., & collected
plants. Found few
Eriophorum.

Walked back to Lab.
The Kettlehole nearly
all drained, &

prairie all plowed.
Even strips along
road will disappear
as the main N. & S.
road is to be widened
and improved.

I was lucky to get
these earlier plants
years back, as the
country is changing
very much.

June 19, 1918 - Wed.

Went out with Ecologists
to East ridge (prairie) forming
tongue just So. of Lab.

Since 1911 (when photo was
taken) *Rhus glabra* as
encroached on prairie.

Then worked prairie ridge
just west of above one, &
checked lists (see next
two pages)

We then returned to
Lab. & I showed one of them on
Quercus canadensis &

Polygonatum commutatum.

Afternoon we went for
mail & walked whole
length of prairie to south
of mail box. I collected
plants - prairie.

Very calm day. Lake
fine.

E. - Ridge S. of Park

- + Solidago rigida - lf.
- + Poa pratensis - fr.
- + Carex festuacea - fr.
- + Petalostemum candidum - lnd.
- + Verbena stricta - fl. + lnd.
- Panicum virgatum - lf.
- + Lepidium apetalum - fr. + fl.
- Asclepias syriaca - lf.
- + Ambrosia artemisiifolia - lf.
- + 10 Physalis pringlei - fl.
- + Phlox pratensis - fl. introd.
- Delphinium bicolor - lnd.
- + Aster multiflorus v. exiguus - lf.
- + Artemisia ludoviciana - lf.
- + Poa compressa - fr.
- Helopsis scabra - fl.
- Lathyrus venosus - lf.
- + Rosa pratincola - fl.
- + Panicum Scribnerianum - fr.
- + 20 Anemone canescens - lnd.
- + Petalostemum purpureum - lf.
- + Solidago canadensis - lf.
- + Vitis vulpina - lf.

- Zinnia - fl. introd.
- Potentilla ^{norvegica} - fl.
- Trifolium pratense - fl. (introd.)
- + Oxalis stricta - lf. + fl.
- + Andropogon furcatus - lf.
- + Ptelea spicata - br.
- 30 Lithospermum canescens - fl.
- Acerates viridiflora - lnd.

West ridge (addition) see + above.

- Astragalus canadensis - lf.
- Rhus toxicodendron - lf.
- Monarda mollis - lf.
- Agropyron punctatum - lf. + fl.
- Andropogon scoparium - lf.
- Potentilla arguta - lnd.
- Astragalus canescens - fr.
- Physalis pringlei - fl.
- Lepachys pinnata - lf.
- Anemone cylindrica - fl.
- Eriogonum ramosum - fl.
- Antennaria - canadensis - lf.
- Oenothera occidentalis - fl.
- Symphoricarpos occidentalis - fl.

June 20, 1918 - Thurs.

Spent forenoon with Taxonomists
in Lab. In afternoon went out
to Lookout - Prairie.

- + Lathyrus venosus fl.
- + Philox pilosa fl.
- + Phlox pilosa fl. (intr.)
- + Rosa pratincola fl.
- 5 Vicia americana fl.
- Hordeum jubatum fl.
- + Carex pectinacea fr.
- + Anemone canescens lf, bud.
- + Lithospermum canescens fl.
- + 10 Coreopsis palmata lf, bud.
- + Astragalus caryocarpus fr.
- + Oenothera serrulata fl.
- + Solidago rigida lf.
- + Thalictrum dasycarpum fl.
- + Silphium laciniatum lf.
- + Koeleria cristata fl.
- + Misp. spartea fr.
- Petalostemum candidum bud.
- + Aster sericeus lf.
- + 20. Antennaria media lf.
- Galium boreale fl.
- + Eriogonum ramosum fl.
- + Anemone cylindrica fl.

- + 24. Helianthus scaberrimus lf.
- + Fragaria virginiana lf.
- + Acerates undiflorus lf. bud.
- " " v. lanceolata lf.
- + Aster multiflorus v. exiguus lf.
- Steironema ciliata lf. (bud)
- + 30. Panicum Scribnerianum fr.
- Veronica virginica lf.
- + Petalostemum purpureum lf.
- + Liatris scariosa lf.
- + Passiflora esculenta fl.
- + Kuhnia eupatorioides lf.
- + Eryngium yuccifolium lf.
- + Oxalis stricta fl.
- + Anemone patens v. Wolffiana lf.
- Trifolium repens! fl. (intr.)
- + 40. Andropogon scoparius lf.
- + Trifolium pratense! fl. (intr.)
- + Solidago speciosa v. angustata lf.
- + Comandra umbellata lf.
- + Poa compressa fr.
- + Aster laevis lf.
- + Braineria angustifolia bud.
- 47. Oxypholis pubescens - fl.

48. *Lepidium abetulum* fr. & fl.
+ *Sisyrinchium campylo-* fr.

50 *Cirsium canadense* - lf.
Castilleja tenuiflora fl. (1 fl.)

+ *Oxybaphus nyctagineus* fl.

+ *Helianthus grosseserratus* lf.

54. *Agropyron tenerum* fl.

2nd Lookout - fr + no pseudog. list.

Lepedeza capitata lf.

Ceanothus americanus - lf.

Oxytropis Lambertii fl.

Lupinus micranthus fl.

Artemisia ludoviciana lf.

Helianthus scabra bud.

Psoralea argophylla bud.

Cirsium discolor lf.

Aster multiflorus bud.

Came back & worked on
plants

June 21, 1918 - Fri.

Rained in morning. Spent
forenoon in general discussion,
particularly of Bulletin.

Quite windy.

Saturday - June 22, 1918

went by row boat to low oak grove
E. of Canal with Miss Boston & Miss Felling

Part of prairie in low oak
woods E. of Canal

- ✓ + *Lithospermum canescens* fr. fl.
- ✓ + *Fragaria virginiana* fr.
- ✓ + *Salix canadensis* lf.
- ✓ + *Andropogon furcatus* lf.
- ✓ + *Koeleria cristata* fl.
- ✓ + *Lepachys pinnata* lf.
- ✓ + *Ambrosia artemisiifolia*
- ✓ + *Hedysarum siliquosum* fl.
- ✓ + *Astragalus canadensis* lf.
- ✓ + *Galium boreale* fl.
- ✓ + *Potentilla canadensis* lf.
- ✓ *Rosa blanda* (1) lf.
- ✓ + *Monarda mollis* lf.
- ✓ + *Rubus toxicaria* lf.
- ✓ + *Helianthus scaberrimus* lf.
- ✓ *Phlox pilosa* fl.
- ✓ + *Antennaria serrata* lf.
- ✓ + " *heterophylla* lf.
- ✓ + *Antennaria canadensis* lf.
- ✓ + *Alnus stellata* lf.
- ✓ + *Parianum canadense* fl.
- ✓ + 22 *Silene stellata* lf.

- ✓ + 23 *Vicia americana*
- ✓ + *Phlox pilosa*
- ✓ + *Rubus occidentalis* fr.
- ✓ + *Eriogonum philadelphicum* fl.
- ✓ *Comandra umbellata* lf.
- ✓ + *Lathyrus venosus* lf.
- ✓ + *Anemone cylindrica* lf.
- ✓ 30 *Ambrosia psilostachya* lf.
- ✓ + *Poa pratensis* fr.
- ✓ + *Panicum Scribnerianum* fl.
- ✓ + *Cirsium discolor* lf.
- ✓ *Polygala senega* fl.
- ✓ *Helianthus grosseserratus* lf.
- ✓ + *Aster multiflorus* lf.
- ✓ + *Anemone canadensis* lf.
- ✓ 4 *Ceanothus americanus* lf.
- ✓ + *Aster ruber* lf.
- ✓ 40 *Carex festucacea* fr.
- ✓ *Veronica fasciculata* lf.
- ✓ *Aster laevis* lf.
- ✓ + *Gizya americana* fr.
- ✓ + *Thapsia americana* fl.
- ✓ + *Anemone canadensis* fl.
- ✓ 46 + *Symphoricarpa occidentalis* lf.

Further east

✓ 47. *Delphinium bicolor*

✓ *Cory gonida*

+ *Helianthus*

Further south of fire

✓ *Apocynum* (name?) lf

✓ *Verbena stricta* lf

✓ *Asclepias syriaca* lf

✓ *Delphinium* lf

✓ *Helianthus* lf

✓ *Artemisia* lf

✓ *Andropogon scoparius* lf

✓ *Tridax* lf

✓ *Yucca* lf

✓ *Solidago* lf

✓ *Ranunculus abortivus* lf

✓ *Vicia* lf

✓ *Sisyrinchium* lf

✓ *Portulaca* lf

✓ *Rosa* lf

✓ *Vicia* lf

✓ *Potentilla* lf

✓ *Plantago* lf

✓ *Rhus* lf

✓ *Asclepias* lf

Returned at 11 & went to Lookout with Miss Walker.

In the afternoon went north to Mack Lake (or kettlehole) with Miss Ensign & Anderson. Collected some

prairie plants. at

Mack Lake kettlehole found

Cypripedium candidum in

fruit. Found a *Lilium philadelphicum*

Moderately windy - S.W.

June 23, 1918 - Sunday

Awoke after 8 am.

Had service at 10³⁰ am.

Hymn

Reading of Scripture Ecclesiastes - 7 - (1-10)

Hymn.

I talked on value of sorrow & tragedy.

America.

Spent day in figuring board &

arranging & cleaning.

Quite windy. Rained some.

June 24, 1918, Mon.

In the morning the Ecology class went to the Lookout. We studied the map in detail and considered the distribution of forest, prairie and butteholes.

It threatened rain more or less.

In the afternoon we went to the bare hills north of Miller's May and studied the remnant of the prairie flora. All the plants were little stunted stragglers among the *Poa compressa* now wholly dominant. Most were young plants.

The following is list:

Went to prairie near N. of Miller's May.

Found on prairie:-

- Oenothera occidentalis* fl.
- juv. *Verbena stricta* lf.
- juv. *Pyrenanthemum flexuosum* lf.
- Trifolium repens* - fl.
- juv. *Morinda mollis* - lf.
- Symphoricarpos occidentalis* - fl.
- juv. *Ambrosia artemisiifolia* lf.
- Poa compressa* - lf. - very common.
- Equisetum arvense* - 1 sterile.
- juv. *Petalostemum candidum* lf. 1-
- Antennaria nemoralis* - lf.
- Equisetum variegatum* - sterile
- Phlox pilularis* - fl.
- juv. *Silene stellata* leaf - 1
- juv. *Cirsium canadense* - lf.
- Jacobaea erythraea* lf.
- Lepidium apetalum* fl. & fr.
- juv. *Agropyron smithii* - lf.
- Silene antirrhina* fl.
- juv. *Ruta multiflora* var. lf.
- Euphorbia corollata* fl.

22 *Anemone patens* var. lf.

Koeleria cristata fl.

Oxalis stricta lf.

juv. *Solidago rigida* lf.

Aster sericeus lf.

juv. *Potentilla arguta* lf.

juv. *Aster oblongifolius* lf.

Oenothera biennis lf.

30 *Lithospermum canescens* fr.

juv. *Catalpa bignonioides* lf.

juv. *Rosa pratincola* lf.

juv. *Antennaria racemulata* lf.

Oenothera serrulata fl.

juv. *Brunneria angustifolia* lf.

juv. *Prunella esculenta* lf.

Anemone cylindrica fl.

juv. *Fragaria virginiana* lf.

Erigeron annuus fl.

Parosela argophylla lf.

juv. *Asperula cynanchica* lf.

juv. *Lysichiton variegatus*

Festuca octoflora fr.

Linum sulcatum fl.

Orbita ovata fl.

juv. *Heuchera hispida* lf.

Poa triflora? (juv) fl.

juv. *Acer rubrum* lf.

juv. *Albium canadense* lf.

Bonteloma hispida lf.

Carex fr.

It was stormy towards evening, and in the evening a heavy storm broke.

Crouch and Schuchman had taken a row boat to Arnold's Park and could not return. (called me up from Manhattan at 1 a.m.)

June 25, 1918 Tues.

Taxonomists worked in
forenoon with legumes, ^{Ranunculaceae} etc.

In the afternoon
Composites and other forms
were taken.

The whole day was
spent in indoor work
on material secured nearby.

It was very wet in the
morning and the day
was more or less blustering.

We put in a lot of
good time on identification,
and I discussed some
details of structure of flowers, etc.

This is my birth day.

June 26, 1918 - Wed.

The special work of the
Ecologists was done without
much help from me except
that I went to Elm Crest
woods and to Gull Point
with Anderson. Looked at
trees.

Found fairy rings in
same old place. Grass was
darker green around ring.

Both *Lepiota marginata* and
Hygrophorus
the puff-balls formed
each a ring. Rings
were poor. Two imperfect

puffball rings were found
at Gull Pt. found just two
flowers on *Pentstemon grandiflorus*,
all others in fruit.

Collected lichens on birch and
green ash.

In evening went to stamp meeting
at Milford. Wallace of Co. Bluffs &
Capt Allen of Mil. Arm spoke. Too
much business. Went with Livingston

June 27, 1918 - Thurs.

Worked indoors on taxonomic materials.

In the afternoon went to mail box and collected a few plants from bog north of mail box and a larger number from the prairie on the north side of road going west from mail box.

We returned rather early and worked at milweds, etc.

(See plants collected.)

Worked in the garden in the evening. Weeded, planted five rows of radishes and thinned out and hoed the corn.

June 28, 1918 - Fri.

Rained in morning. ^{Worked} indoors in forenoon. ^{Discussed prairie + forest factors.}

At noon went to Spring & collected shells & minerals. *Trifidaria corticaria* was quite abundant, and I secured a few other species (see list.)

Three species of slime molds were collected on partly fallen red-elm trunk.

In afternoon went to Elm Crest woods with Erolia. Collected lichens and wood species. Found *Carex crum-cum* in small bog just west of Elm Crest.

The following plants were observed in the deeper woods opposite the Cove (Elm Crest woods):

Quercus macrocarpa - lf.
Fraxinus penn. v. lanceolata fr.
Ostrya virginica lf.
Ulmus americana - lf.
Crataegus mollis - fr.
Juniperus virginiana - lf.
Prunella virginica lf.
Vitis vulpina lf.
Prunus virginiana lf. fr.
Lonicera scabra fr.
Gastrophysalis americana lf.
Desmodium grandiflorum fl. fr.
Asplenium striatum - bud.
Ampeliscarpa monica lf.
Rhus toxicodendron lf.
Taxodium integrum lf. fr.
Erigeron perfoliatus fr.
Ribes gracile - fr.
Symphoricarpos occidentalis lf.
Polygonatum commutatum fr.
Ailium stellatum lf.
Rubus occidentalis fr.
Elymus striatus fl.

Vitis ^{serotina} cucullata lf. (hairy)
Anemone virginiana fl.
Arisaema triphyllum lf.
Cornus paniculata lf.
Panicula marilandica fl.
Thalictrum aureum fl. fr.
Rhus glabra lf.
Aspernum angustifolium lf.
Smilacina stellata lf.
Carex graminea fr.
Solidago canadensis lf.
Oenothera longistylis fr.
Anilox herbacea lf.
Ulmus fulva lf.
Carya ^{cordiformis} glandulosa lf.
~~*Fraxinus nigra* lf.~~
Carex latifolia fr.
Hydrophyllum virginicum fr.
Ulex americanus lf. bud.
Aster cordifolius lf.
Pharosia leptostachya lf.
Impatiens fulva lf.
Actaea rubra fr.
Cryptotaenia canadensis fl.

Trigonotis virginica fl. y
Papaver ^{fl.} ~~fl.~~ y
Erigeron philadelphicus fl.
Geranium ^{canadense} fl.
Gabrielia sparganii fl.
Agrostis scaberrima fl.
Carex rosea fl. fr.
Lactuca scariola fl. 1
Poa pratensis fr. (fr.)
Smilax scabrata fl.
Allium tricoccum fl.
Callastem canadense fl.
Ligularia sibirica fl. 1
Prunella americana fl.
Lupinus ^{truncatus} ~~truncatus~~ fl.
Urtica dioica fl. 3
Vicia pubescens fr.

Returned and cared
 for the materials collected.
 Miss Fillman remained at
 downtown all day.

June 29, 1918, Sat.
 Arose early, hoping to get
 to head of lake with Ella.
 Launch was without a
 spark plug and we did
 not get out.

Rained again last night
 and the morning is cloudy and
 threatening more rain.
 The lake is quite calm, but
 breeze is coming up.
 Left on Sioux City at about
 9 am. & waited at
 Arnold's Park 2 1/2 hrs., -
 until 12:05

Collected rusted leaves of
Crataegus mollis & C. -
 showing spermatophyll.

An old fellow (who had
 "lived here 30 yrs.")
 scoffed at the idea of
 their being same as
 an apple.

Collected shells under

leaves, log & bark
in woods S. of road, &
S.E. of Church at
Amidon Park. Also
a Disc.

Took train for Spirit
Lake & stopped at
latter place.

It rained (drizzled)
most of the afternoon.

Went to the depot
on RR. to wagon &
collected prairie plants.

Left at 6:00 PM for
head of lake.

Returned to Lab. by
the Des Moines.

June 30, 1918 Sunday,

Spent most of forenoon in
drawing was made of
Europe.

At 2³⁰ I talked on the
subject "Why did Europe
go to war?"

Several farmers came
in: Livingston, Harsh, &
Nelson. Nelson was one
of Loo's students (graduate)
Later in the afternoon
I picked a few *Prifidaria*
carticaria, etc. on clay at
the spring.

Rained the night before
and roads were bad in
places.

July 1, 1918 - Monday
Beph Livingston took
us to the Little River.
Dr. Stephens, Miss Cavaych
and Ensign, & Messrs. Anderson,
Abel, & myself went.

We started at the hillside
bog in the NW corner
of sec. 4-28-37 &
walked the creek valley,
picking up snails
under sticks & lichens
on trees.

Then dived in the
hillside bog & collected
Ptilium, etc.

Then went down the
river (on S. side) to
wooded bluff. Picked
snails & plants.

Up on bluff there are
Quercus & *defensa* less
than 6 ft. high &
bearing acorns.

There is up here also a
nice lot of prairie.
Then walked to bridge
& found fungi on Q,
macrospora bag & also
a *Plasmodium*.

Livingston called for us
and we drove home early,
about 7.

In the morning found it
necessary to get after *Ischmidia*
& Crouch for late hours &
disturbance of camp.

July 2, 1918, Tues.

A hot, sultry day.

Spent all of it indoors
with the Taxonomists.

Worked Umbelliferae

+ Cruciferae

Made record in the

evening.

Sorted materials and

packed some.

July 3, 1918 - Wed.

Spent part of forenoon
in disarming apparatus with
Biologists.

Packed and wrote letters.

In the afternoon Mr.
Shelmidine, Sr. took me
to Spirit Lake by auto.

Left Spirit Lake for
Iowa City at 4:30 PM, - via
West Liberty.

A tedious trip, with
some discomfort due to
crowding, & to heat, -
or dust and wind if
windows open.

June 20, 1919 - Left at 2:47 PM
for Cleveland

Taxi - Iowa City	\$.25
RR. to Cleveland	18.76
Supper - dinner	1.00
Sleeper	1.73 + .25
Breakfast - rest.	.25
Dinner in Bldg	.45
RR. to South Bend	10.04 + .25
RR. Sp. to South Bend	1.62
RR. to Cleveland	.26
RR. to Cleveland	.64
RR. to Iowa City	.46

June 21 - Met in National Hall
on Broadway. Slovaks only
party represented. For list
see proceedings.

Had ugly reaction with
Slovaks - over ship matter.
Evidently many are interested
in the company which ships
at 18 ct per lb.
Broke up in rather loose
fashion.

June 22 - Visited with Bertha
Paul & Harold. In afternoon
The Scotts (Dr. & Mrs. &
Josephine) came over, & in
evening Dr. took me down
to depot in auto.
Left at 10:15 (11:15 AM time).
Reached South Bend, Ind at
5 AM. & left at 7:17
for Dunn Park.

From S. Bend to Dunn Park
along RR.

Euphorbia corollata fl.
Lithospermum purpureum fl.
Equisetum arvense sterile.
Poa pratensis also
" *compensata* fl.
Salix humilis fl.
Trisetum repens fl. 2 white
Corylus americana - fl. (new seeds)
Rosa — fl.
Linum catharticum fl.
Lepachys pinnata bird
Vitis vulpina fl.

- Thalictrum dasycarpum* fl.
Achillea millefolium fl.
 15 *Aquilegia* fl. ^{black} ^{w/}
Thalictrum aquilegifolium fl. ^{near woods}
Hypericum fl.
Chrysanthemum leucanthemum fl.
Rubus *hirsutus* fl.
 20 *Phlox pilosa* fl.
Helianthus scaberrimus fl.
Rubus *digitatus*? fl.
Rumex crispus fl.
Polygonum (small) fl.
 25 *Asclepias tuberosa* fl.
Aquilegia *smithii* fl.
Oxalis *montana* fl.
Asclepias ^{argyræa} *montana* fl.
Rhus glabra fl.
 30 *Verbena* *capitata* fl.
Milium *sp.* fl.
Trifolium *hybridum* fl.
Trifolium *pratense* fl.
Stipa *sp.* fl.
 35 *Lupinus* *vulgaris* fl.
Rumex *crispus*

- | | | |
|----|------------------------------|-----|
| | <i>Hordeum jubatum</i> | Fr. |
| | <i>Trifolium rubens</i> | Fl. |
| | White Clover | Fl. |
| | Brown Tectorum | Fr. |
| 40 | <i>Briza media</i> | Fl. |
| | <i>Potentilla canadensis</i> | Fl. |
| | <i>Eryngium yuccifolium</i> | Fr. |
| | <i>Melilotus officinalis</i> | Fl. |
| | <i>Aster (purple)</i> | Fl. |
| 45 | <i>Solidago serotina</i> | Fl. |
| | <i>Lilium philadelphicum</i> | Fl. |

Reached Dune Park at 9¹⁵ &
worked near station, then
on flat toward other side toward
lake, & back to station.

Some of the plants were collected

Saxifraga hypnoides grows

- Stipa* ^{clumps}
Koeleria ^{scattered} fl. + *Poa* ^{clumps}
Bromus ^{scattered} *rectorum* ^{clumps} *br.* + *Corynephorus* ^{clumps} *br.* + fl.
Rudbeckia ^{common} *h. fl.* + *Tridax* ^{common} *fl.*
Arabis ^{scattered} *fl.* + *Lithospermum* ^{scattered} *fl.*
Asclepias ^{clump} *fl.* + *Euphorbia* ^{clump} *fl.*
ovoides ^{clump} *fl.* + *Poa* ^{clump} *fl.*

June 29, 1918

✓ 3.25 Isabelle Walker
 ✓ 15 D. Everett Shelmidine
 ✓ 15 J. B. Fillman
 ✓ 5 J. B. "
 ✓ 5 Evelyn Ensign
 ✓ 25 Waldo Anderson
 ✓ 5.00 Isabelle Walker
 \$ 73.25

Blue & Magazines at McGraw Pharmacy
 Rliers at Curtis & Lee's Hardware
 Spark plugs from Spirit Lake
 Motor Co.
 Muslin at Christensen Bros.

+ Salix humilis lf common + Erigeron ramosus fl few Apocynum (pink) fl few Chrysanthemum leucanth fl com. + Pheasant palm fl few Polygonatum biflor fl patches Agropyron Smithii scattered fl + Oxycodon sp. fl few Melilotus officinalis fl	not many + Hordeum jubatum fl scattered + Lobelia spicata scattered fl + Lilium philadelph fl scattered + Anemone sp. fl few + Prunus pennsylv fl few Vaccinium (black) clump fl antiochylo? " " + Opuntia Rafines fl clump + Ozoreuma commum fl 5. 6 not
--	--

com. + Prunella - fl few + Scutellaria stellata fl scattered + Scirpus americanus fl scattered + Helianthus - fl patches Comandra umbell fl scattered + Cyperus ochroleucus fl scattered + Carex festucacea fl clump Erigeron philadelph fl patches + Lepidium perenn fl patches + Polypodium virginicum fl scattered + Krigia stellata fl scattered + Rubus canadensis fl patches	lower ground few Cyperus alatus fl com. Ozoreuma regalis fl com. Calliopsis fl few Halimolobos fl patches + Carex fl patches + Horsetail fl common Triplochiton - fl prunus - " " Cyperus - (small) Carex -
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also following:

Anemone fl few Bromus fl clump Salix - fl com. Salix - fl com. Bromus - fl few Castilleja fl few Polygala fl clump Galium fl scattered Viola fl few (the one spec)	tall grass com. com. Aspidium fl com. Iris fl few Fine grass fl scattered (the one spec)
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(Class) McCord
Spencer

Flete
Minneapolis,

J. D. Livingston
Rt 2. Milford, Ia

Warner's Chapel
Methodist
E. of E. Shubert

2nd Grand - Interurban for
Leaves - Day, Nov 11

check
\$ 32.80 \$ 25.00
6.05
\$ 26.75
25.00
1.75 2.24

Richard W. Wolfe

rec.
707 Towner Bldg
Wich Ave + Madison St
(Irish Protestant)

41
4.48
44.88
4.70
4.48
3.20
1.28
3.20
2.12
5.20
Winter
25
2.61
1.65
76
76
6.03
1.75
Pella
25
2.61
1.65
1.03
1.04
6.58
25
2.61
1.65
1.25
34
1.04
7.74

6.25
C. R. R.

